



# CONSTRUCTION EQUIPMENT

## W02006708 VOLVO EC350 314263 - REAR LEFT FINAL DRIVE



**Sample No:** VCP390775  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02006708



### SAMPLE INFORMATION

Sample Number	<b>VCP390775</b>	VCP361929	VCP319134	---
Sample Date	<b>24 Jan 2023</b>	04 Aug 2022	03 Nov 2021	---
Machine Hours	<b>1954</b>	1447	536	---
Oil Hours	<b>500</b>	500	536	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	SEVERE	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>271</b>	298	181	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>▲ 243</b>	838	5	---
Sodium	ppm	<b>2</b>	10	1	---
Potassium	ppm	<b>12</b>	33	9	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>335</b>	1481	118	---
Copper	ppm	<b>&lt;1</b>	3	<1	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>▲ 61</b>	120	<1	---
Chromium	ppm	<b>6</b>	17	4	---
Molybdenum	ppm	<b>8</b>	4	0	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>6</b>	16	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	12	3	---
Vanadium	ppm	<b>&lt;1</b>	<1	<1	---



### ADDITIVES

Calcium	ppm	<b>220</b>	87	4	---
Magnesium	ppm	<b>74</b>	23	1	---
Zinc	ppm	<b>158</b>	46	5	---
Phosphorus	ppm	<b>606</b>	973	238	---
Barium	ppm	<b>0</b>	<1	7	---
Boron	ppm	<b>69</b>	204	13	---

**Depot:** VOLVO0002  
**Unique No:** 10319880  
**Signed:** Don Baldrige  
**Report Date:** 01 Feb 2023



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## VOLVO GRAPHS

